



**U.S. Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road
Houston, Texas 77099**

Site: Wilcox

Sampling Period: Week of September 19, 2016

Turnaround Time: 35 days

Samples may be shipped for arrival at the U.S. EPA Region 6 Laboratory Monday - Friday (No Saturday arrivals).

Samples Scheduled:

- 20 water (including 3 FD + 2 TB) for EDB
- 20 water (including 3 FD + 2 TB) for VOA
- 16 water (including 2 FD) for Hexavalent Chromium
- 16 water (including 2 FD) for Total Metals + Hg
- 16 water (including 2 FD) for Cyanide
- 13 Air (including 3 FD) for TO-15

Ship samples to: U.S. EPA Region 6 Laboratory
Atten: Christy Warren
10625 Fallstone Road
Houston, Texas 77099
Phone: 281-983-2137

Paperwork:

1. Scribe Chain of Custody Form
Do not use CLP Sample #'s (You can use your station location ID as sample #)
2. Custody Seals (on each container and on the exterior of the cooler)
3. Sample tags are not required. The station # plus the date & time of collection are required to be on the sample label that is placed on each container.

Electronic COC: Please email the xml file from Scribe to warren.christy@epa.gov and fertitta.mike@epa.gov prior to the samples arriving at the Region 6 Lab
We appreciate a pdf of the COCs along with the xml.

Sample Containers/Volumes/Preservatives:

Parameter	Matrix	Container/Volume	Preservative
EDB	water	2 – 40 ml VOA vials	pH<2 HCl, Ice to 4°C
VOA	water	3 – 40 ml VOA vials	pH<2 HCl, Ice to 4°C

Parameter	Matrix	Container/Volume	Preservative
Hexavalent Chromium	liquid	125 ml HDPE	Ice to 4°C, *see method 218.7 preservative requirements
Total Metals + Hg	Liquid	1 – 1 liter HDPE	pH<2 HNO ₃ Ice to 4°C
Cyanide	water	1 – 1 liter HDPE	pH>12 NaOH Ice to 4°C
TO-15	Air	Canister	Keel Case

Hexavalent Chromium Preservative Preparation (Copied from Method 218.7)

PREPARATION OF NH₄OH/(NH₄)₂SO₄ (LIQUID) PRESERVATIVE –Dissolve 3.3 g (NH₄)₂SO₄ in 75 ml of reagent water. Add 6.5 mL ammonium hydroxide and dilute to 100-mL final volume.

ADDITION OF PRESERVATIVE –The samples are preserved with a combined buffer/dechlorinating reagent.

LIQUID FORMULATION - NH₄OH/(NH₄)₂SO₄ – The liquid preservative may be added to sample bottles prior to shipment. Apply the concentrated preservative (Sect. 7.1.11) at the rate of 1 mL per 100 mL of sample. Sample bottles prepared in advance may be stored for one month prior to use.

Laboratory QC: Lab QC (MS/MSD) is run at a frequency of 1/20/matrix/week for organics and 1/10/matrix/week for inorganics

Submit triple volume for EDB (6 VOA vials) and VOA (9 VOA vials)

- You will need to submit 1 extra volume sample for EDB and VOA

Submit double volume for Total Metals + Hg (2 – 1 liter HDPE), Cyanide (2-1 liter HDPE), and Hexavalent Chromium (2 – 125 ml HDPE)

- You will need to submit 2 extra volume samples for Total Metals + Hg, Cyanide, and Hexavalent Chromium.

Shipping Information/Questions: Phone Christy Warren at 713-805-7157.

Be sure to include:

1. Site Name
2. Number of coolers being shipped
3. How they are being shipped (ex. Federal Express)
4. The **air bill number** (We will track your coolers with this)

Information may be left on voice mail!